(TRANSLATION)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference W2015-00000	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.		
International application No. PCT/JP2004/019116	International Filing date (day/month/year) 21. 12. 2004	(Earliest) Priority Date (day/month/year) 26. 12. 2003	
Applicant: Hitachi, Ltd.			
A copy is being transmitted to the Internation	onal Bureau.	and is transmitted to the applicant according to Article 18.	
This international search report consists of a lit is also accompanied by a cop	y of each prior art document cited in this report.		
	ernational search was carried out on the basis of		
a translation of the inte	rnational application intoses of international search (Rules 12.3(a) and 23		
	the and/or amino acid sequence disclosed in the in the insearchable (see Box No. II).	nternational application, see Box No. 1.	
3. Unity of invention is lacking	g (see Box No. III).		
4. With regard to the title, X the text is approved as subm the text has been established	itted by the applicant. I by this Authority to read as follows:		
		·	
5. With regard to the abstract, **The text is approved as submitted.**	itted by the applicant.		
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.			
6. With regard to the drawings,a. the figure of the drawings to be pubas suggested by the app	lished with the abstract is Figure No1licant		
	ority, because the applicant failed to suggest a fi		
b. none of the figures is to be p	uglished with the abstract		

INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP2	004/019116	
A. CLASSIFIC Int.Cl ⁷	CATION OF SUBJECT MATTER B81B1/00, B29C33/38, B81C1/00), B82B1/00, 3/00, H01L	21/027	
According to Int	ernational Patent Classification (IPC) or to both nationa	l classification and IPC		
B. FIELDS SEARCHED				
	nentation searched (classification system followed by cl	assification symbols)		
Int.Cl ⁷ B81B1/00, B29C33/38, B81C1/00, B82B1/00, 3/00, H01L21/027				
Documentation s	earched other than minimum documentation to the exte	ent that such documents are included in the	fields searched	
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005				
Electronic data b	ase consulted during the international search (name of	data base and, where practicable, search te	rms used)	
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
Х	JP 2002-219587 A (Vacuum Met	allurgical Co.,	1	
	Ltd.), 06 August, 2002 (06.08.02),			
	Par. Nos. [0002], [0010]			
	(Family: none)			
A	JP 2001-29761 A (Atene Kabus	hiki Kajeha)	i	
A	06 February, 2001 (06.02.01),		1	
	Full text			
	(Family: none)	·	·	
			•	
			i	
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			tion but cited to understand	
· - · · · · · · · · · · · · · · · · · ·		"X" document of particular relevance; the c	laimed invention cannot be	
filing date "L" document which may throw doubts on priority claim(s) or which is		considered novel or cannot be consid step when the document is taken alone	ered to involve an inventive	
		"Y" document of particular relevance; the c considered to involve an inventive s		
"O" document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such being obvious to a person skilled in the	documents, such combination	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent for		
F				
		Date of mailing of the international sear		
12 Apri	.1, 2005 (12.04.05)	26 April, 2005 (26.	04.03)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/019116

Box No. II Observation	ons where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
1. Claims Nos.:	ort has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: to subject matter not required to be searched by this Authority, namely:	
	to parts of the international application that do not comply with the prescribed requirements to such an ingful international search can be carried out, specifically:	
3. Claims Nos.: because they are de	pendent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)		
This International Searching Authority found multiple inventions in this international application, as follows: The invention of claim 1 relates to microprojections having an aspect ratio of greater than 1. The invention of claims 2 and 3 relates to microprojections of an alloy containing a nonmetallic element as an accessory component. The invention of claim 4 relates to a fine metal structure comprising microprojections having their surface furnished with a single coating layer. The invention of claim 5 relates to a fine metal structure comprising microprojections having, immobilized directly or indirectly on surfaces thereof, atleast one organic matter selected from among an antigen, an antibody, a protein, a base, (continued to extra sheet) 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
	onal search fees were timely paid by the applicant. Consequently, this international search report is rention first mentioned in the claims; it is covered by claims Nos.: 1 The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.	

40/584139 AP3 Rec'd PCT/PTO 26 JUN 2006

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International application No.

PCT/JP2004/019116

Continuation of Box No.III of continuation of first sheet(2)

a sugar chain and a surface modifier.

The invention of claims 6-11 and 18-21 relates to a process comprising providing a substrate having a fine rugged pattern on its surface, applying a molecular electroless catalyst to the surface, thereafter carrying out electroless plating to thereby form a metal layer, and detaching the metal layer from the substrate to thereby attain reversal transfer of the rugged pattern.

The invention of claims 12-17 relates to having at least part of the surface of microprojections furnished with at least one coating layer constituted of a component different from that constituting the microprojections.

The invention of claim 22 relates to a metal mold.

The invention of claim 23 relates to a nanoimprinting device.

The invention of claim 24 relates to an electrode.

The invention of claim 25 relates to a microchip having a detection part furnished with minute projections.

The invention of claim 26 relates to a microchip having, immobilized on the surface of the substrate thereof, a substance capable of interacting with an analyte.

The invention of claim 27 relates to a DNA chip.